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CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

COUNTRY      Germany (Soviet Zone)  
25X1  
SUBJECT      RFT Röhrenwerk Mühlhausen  
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SUPP. TO  
REPORT NO.

THIS IS UNEVALUATED INFORMATION

1. A new tube shop has been erected or greatly enlarged at the Mühlhausen RFT works. The shop is confining itself for the present to the manufacture of amplifier tubes, chiefly of the E series. From the organization of the works until December 1953, 852,000 tubes were shipped out, including rectifier tubes and Series C beamtubes.
2. Since about a month ago, tubes of the American "12" series have been produced, as well as the E series; for example, the tube 12AX7. Ultra-short wave (UKW) tubes have also been in production since December 1953, mainly the UKW diode SA 102, the UKW triode SD 1 A, and the UKW pentode SF 1 A. These tubes are produced in comparatively small numbers. About 2,000 of the SA 102 tubes have left the plant since December 1953.
3. Technical data on the above tubes are as follows:  
 SA 102: heating voltage, 1.9 volts; heating current, 0.35 ampere; plate voltage, 100 volts; plate current, 0.1 mA.  
 SD 1 A: heating voltage, 1.9 volts; heating current, 0.5 ampere; plate voltage, 75 volts; plate current, 10 mA; negative grid voltage, -1 volt; mutual conductance, 1.55 mA per volt; penetration coefficient, 6 percent.  
 SF 1 A: heating voltage, 1.9 volts; heating current, 0.5 ampere; plate voltage, 150 volts; plate current, 2mA; screen grid current, 75 volts; negative grid voltage, -2.5 volts; mutual conductance, 1.55 mA per volt; penetration coefficient, 5.5 percent.

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4. An electrometer tube, T 115, and an acorn triode are in process of development.
5. The UKW tubes almost all go to the Soviet Union.
6. The Mühlhausen works has been granted a credit of 1,800,000 DM for the production year 1954, to be used for improving the equipment and setting up a new MK-Anlage (sic) which is to be ready for service in 1955.

Note: "MK-Anlage": meaning of this abbreviated expression is not clear.  
It may stand for montage (assembly) shop.

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